AMSAT News Service Weekly Bulletins
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AMSAT NEWS SERVICE SPECIAL BULLETIN
ANS-028

The AMSAT News Service bulletins are a free, weekly news and information service of AMSAT, The Radio Amateur Satellite Corporation. ANS publishes news related to Amateur Radio in Space including reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

The news feed on http://www.amsat.org publishes news of Amateur Radio in Space as soon as our volunteers can post it.

Please send any amateur satellite news or reports to:
ans-editor at amsat.org.

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https://mailman.amsat.org/postorius/lists/ans.amsat.org/

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SB SAT @ AMSAT $ANS-028.01
ANS-028 AMSAT News Service Special Bulletin

AMSAT News Service Bulletin 028.01
From AMSAT HQ WASHINGTON, DC
DATE January 28, 2021
To All RADIO AMATEURS
BID: $ANS-028

RadFxSat-2 Signals Detected, AMSAT Engineering Continues to Assess Status

On January 27th, Brad Schumacher, W5SAT, reported copying his CW signal weakly via the RadFxSat-2 transponder. On the morning of January 28th, AMSAT Engineering and Operations confirmed these reports and determined that RadFxSat-2 is partially functioning, though signals are extremely weak. AMSAT thanks W5SAT for his report.

We also appreciate those who joined in determining whether they could detect their own or other signals in recent passes today.

At this time it is essential and we ask you: Please do not attempt to transmit through the transponder until further notice. This is very important to the next steps we are taking now.

The next crucial step in evaluating the condition of RadFxSat-2 is to determine whether or not the 1200 bps BPSK telemetry beacon is operating and, if possible, copy telemetry from the beacon. We ask that everyone with 70cm receive capability listen to the beacon frequency of 435.750 MHz (+/-) Doppler, upper sideband (USB). Use FoxTelem with your receiver in order to tune and capture any telemetry

you can. Also make sure FoxTelem is set to “Upload to server” so that we receive your telemetry data. If you capture a good IQ recording on SDR, please send a detailed description of your recording to foxtelem(a)amsat.us. We may respond with a request for your recording and details on how to transfer it to the AMSAT Engineering team. Please understand that keeping the transponder clear is essential to putting all power and attention to the beacon telemetry.

Two-line elements (TLEs) are available in AMSAT's nasabare.txt distribution at https://www.amsat.org/tle/current/nasabare.txt. Available data suggests that RadFxSat-2 is OBJECT M from the Virgin Orbit LauncherOne launch, NORAD ID 47320, international designation 21-002M.

We thank the amateur satellite community for their perseverance and assistance while the AMSAT Engineering and Operations teams work to understand and resolve the situation with RadFxSat-2.

[ANS thanks the AMSAT Engineering and Operations teams for the above information]

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In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive addi-tional benefits. President's Club donations may be made at https://tinyurl.com/ANS-PresClub.

Primary and secondary school students are eligible for membership at one-half the standard yearly rate. Post-secondary school students enrolled in at least half time status shall be eligible for the student rate for a maximum of 6 post-secondary years in this status.

Join AMSAT today at https://launch.amsat.org/

73 and remember to help Keep Amateur Radio in Space,

This week's ANS Contributing Editor,

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